

APPENDIX N BULK MILK TANKER SCREENING TEST FORM

GENERAL REQUIREMENTS

(Unless otherwise stated all tolerances $\pm 5\%$)

1. Work Area _____
 - a. Ample working space and utilities _____
 - b. Clean well ventilated, test kit used in temperature range specified by manufacturer, reasonably free from dust and drafts _____
 - c. Adequate lighting, **[NCIMS CERTIFIED LABORATORIES and CERTIFIED INDUSTRY SUPERVISORS, > 50 foot-candles at working surface (pref 100)]** _____
2. Storage Space _____
 - a. Cabinets, drawers, and shelves adequate _____
 - b. Areas neat, clean and orderly _____
3. Thermometers for Use with Test Kits and Laboratory Equipment _____
 - a. Thermometer traceable to NIST Certified thermometer _____
 1. Traceable thermometer checked at ice point annually _____
 - b. Range of thermometers appropriate for designated use _____
 - c. Graduation interval not greater than 1.0C **[NCIMS CERTIFIED LABORATORIES and CERTIFIED INDUSTRY SUPERVISORS, 0.5C]** _____
 - d. Accuracy of test thermometers checked against traceable thermometer annually (including electronic thermometers) _____
 1. Accurate to $\pm 1C$ _____
 2. Results recorded and thermometers tagged with date, identification, temperature checked and correction (± 0.0 if none) _____
 - e. Dial thermometers not permitted _____

4. Refrigeration _____
- a. Size adequate for workload _____
 - b. Maintains samples at 0-4.4C _____
 - c. Reagents stored as per manufacturer instructions _____
 - d. Not used to store food or drink for consumption _____
 - e. Record temperature daily from 2 thermometers with bulbs submerged in liquid, placed on upper and lower shelves of use [NCIMS CERTIFIED LABORATORIES and CERTIFIED INDUSTRY SUPERVISORS, AM and PM] _____
 - f. **NCIMS CERTIFIED LABORATORIES and CERTIFIED INDUSTRY SUPERVISORS, dedicated for milk work only** _____
5. Freezer _____
- a. Size adequate for workload _____
 - b. Maintains -15C or below _____
 - c. Not used to store food or drink for consumption _____
 - d. Record temperature daily _____
 - e. **NCIMS CERTIFIED LABORATORIES and CERTIFIED INDUSTRY SUPERVISORS, dedicated for milk work only, NO PATHOGENS STORED** _____
6. Balance, electronic (if necessary) _____
- a. Weight capability appropriate for intended use _____
 - b. Accurate to 0.01g for preparations of positive controls _____
 - c. Appropriate sensitivity for calibration of pipetting devices within a tolerance of $\pm 5\%$ (0.001g sensitivity appropriate in most instances) _____
 - 1. Pipetting devices calibrated on-site _____
 - 2. Pipetting devices calibrated at another location _____
 - d. Checked monthly with Class S or S1, or equivalent ASTM 1, 2 or 3, weights (**Appendix N drug testing only laboratories may check quarterly**) _____
 - e. Checked annually by a qualified service representative _____

- f. Records maintained _____
- 7. Pipettors, calibrated, fixed volume type only
**[Required for NCIMS Certified Laboratories and
Certified Industry Supervisors]** _____
 - a. Calibrate with ten (10) consecutive weighings
quarterly (using separate tip for each weighing) _____
 - b. Average of all 10 weighings must be ±5% of specified
delivery volume (≤ 1.0 mL by weight, > 1.0 mL by
volume using class A graduated cylinder), records
maintained _____
 - c. Etched with identification and tagged with date
calibrated _____
 - d. Appropriate tips for pipettor(s) used _____
- 8. Deionized Water or Equivalent, or as specified
by manufacturer _____

SAMPLES

- 9. Sample Requirements _____
 - a. Ascertain temperature of bulk milk tanker _____
 - b. Secure a representative sample for drug residue
testing _____
 - c. Prevent contamination with disinfectants from hands
or other sources _____
 - d. Samples tested and confirmation completed (when
necessary) within 72 hours of initial collection _____

ADDITIONAL REQUIREMENTS FOR NCIMS CERTIFIED LABORATORIES AND CERTIFIED INDUSTRY SUPERVISORS

- e. Record time, date and temperature of samples as
received and tested _____
- f. Determine sample temperature by inserting pre-cooled
thermometer (pre-cooling of electronic/digital
thermometer probes is not necessary) into temperature
control (TC) , if no TC, aliquot samples for testing
and measure temperature using one of the producer
samples _____
- g. Do not accept producer samples (about ¾ full) that
are over filled _____

- h. If raw milk exceeds 4.4C on receipt do not test (samples may be received at 7C if time of receipt is ≤ 3 hours from collection and arrival temperature is equal to or less than temperature of collection) _____

PERFORMANCE TESTING

10. Performance Testing _____

- a. Run a positive and negative control with each new lot of kits, must give appropriate results, records maintained _____
- b. Run a negative and positive control **DAILY** (on days testing), at each test site, must give appropriate results, if not, re-run controls (may be necessary to prepare new controls), if problem persists discontinue testing, contact State regulatory and seek technical assistance, records maintained _____
- c. If more than one analyst performs analysis have different analyst run performance check on rotational basis _____

CONFIRMATION OF PRESUMPTIVE POSITIVE SAMPLES

11. Confirmation of Presumptive Positive Samples [**Must comply with current edition of M-a-86**] _____

- a. The **SAME** sample is re-tested in **DUPLICATE** along with a positive and negative control using fixed volume pipettors _____
- b. Positive and negative controls give the appropriate result(s), report sample results _____
- c. If positive and/or negative control do not give appropriate results, re-run controls and samples, if problem persists contact state regulatory and seek technical assistance _____
- d. Maintain copies of all confirmation reports _____

REPORTING AND RECORDS

12. Reporting and Records _____

- a. Report as **Positive (+)** for beta-lactam, specific drug or inhibitor (when a non-specific microbial inhibitor test used without beta-lactamase) when demonstrated _____
- b. Report as **Not Found (NF)** when demonstrated _____

- c. Record test performed, interpretation of unknowns (samples) and controls _____
- d. Records, including all printouts, maintained for 6 months [**NCIMS CERTIFIED LABORATORIES and CERTIFIED INDUSTRY SUPERVISORS, for 2 years**] _____

MISCELLANEOUS

13. Miscellaneous _____

- a. Material safety data sheets (MSDS) on file _____
- b. Current, applicable survey forms available in laboratory _____
- c. Positive Report Forms available with instructions _____
- d. Personnel adequately trained _____
- e. Required split/check sample participation _____